

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A process for ~~bleeking~~ treating a device for detection of biochemically active molecules which comprises the steps of:

bringing in the presence of an aqueous medium a detection device having probe molecules, ionic reactive groups, and non-ionic reactive groups on a surface thereof, into contact with compounds which react with the nonionic reactive groups to produce covalent bondings and compounds other than the above mentioned compounds which form electrostatic bondings in ~~conduction~~ conjunction with the ionic reactive groups, simultaneously or separately; and

washing the surface of the detection device with an aqueous solvent or a water-miscible solvent.

Claim 2 (Currently amended): The process of claim 1, wherein the compounds which react with the non-ionic reactive groups to produce covalent bondings and the compounds which form electrostatic bondings in ~~conduction~~ conjunction with the ionic reactive groups are present in one aqueous solution.

Claim 3 (Original): The process of claim 1, wherein the aqueous medium contains a surface active agent.

Claim 4 (Original): The process of claim 1, wherein the ionic reactive groups are amino groups or mercapto groups.

Claim 5 (Currently amended): The process of claim 1, wherein the ionic reactive groups are amino groups and the compounds which form electrostatic bondings in ~~conduction~~ conjunction with the ionic reactive groups are dextran sulfates.

Claim 6 (Original): The process of claim 1, wherein the non-ionic reactive groups are ethylenic unsaturated groups.

Claim 7 (Original): The process of claim 6, wherein the ethylenic unsaturated groups are vinylsulfonyl groups or their precursors having the formula:



wherein each of R^1 , R^2 and R^3 independently is a hydrogen atom, an alkyl group having 1 to 6 carbon atoms, an aryl group having 6 to 20 carbon atoms, or an aralkyl group having 7 to 26 carbon atoms in which its alkyl group has 1 to 6 carbon atoms, and L is a linking group.

Claim 8 (Original): The process of claim 1, wherein the non-ionic reactive groups are ethylenic unsaturated groups and the compounds which react with the non-ionic reactive groups to produce covalent bondings are amino group-containing compounds.

Claim 9 (Original): The process of claim 8, wherein the amino group-containing compounds are glycines.

Claim 10 (original): The process of claim 1, wherein the probe molecules are nucleotide derivatives selected from the group consisting of oligonucleotides, polynucleotides, and peptide nucleotic acids.

Claim 11 (Original): The process of claim 1, wherein the probe molecules, ionic reactive groups, and non-ionic reactive groups are fixed on the detection device by covalent bonding.

Claim 12 (Withdrawn): A device for detection of biochemically active molecules which is blocked by the process of claim 1.

Claim 13 (Withdrawn): An aqueous solution containing an amino group containing compound showing a positive charge, an acidic compound showing a negative charge, and an anionic surface active agent.

Claim 14 (Withdrawn): The aqueous solution of claim 13, wherein the amino group-containing compound is glycine, and the acidic compound is dextran sulfate.

Claim 15 (Currently amended): A process for ~~blocking~~ treating a device for detection of biochemically active molecules which comprises the steps of:

bringing in the presence of an aqueous medium a detection device having probe molecules and ~~ionic reactive amino~~ groups on a surface thereof, into contact with compounds selected from the group consisting of dextran sulfate, mucopolysaccharide have sulfonyl group, taurine having sulfonyl group, polypeptide having carboxyl group, and polysaccharide having carboxyl group which form electrostatic bondings in ~~conduction~~ conjunction with the ~~ionic reactive amino~~ groups; and

washing the surface of the detection device with aqueous solvent or a water-miscible solvent.

Claim 16 (Original): The process of claim 15, wherein the aqueous medium contains a surface active agent.

Claim 17 (Original): The process of claim 15, wherein the ionic reactive groups are amino groups or mercapto groups.

Claim 18 (Canceled): The process of claim 15, wherein the ionic reactive groups are amino groups and the compounds which form electrostatic bondings in conduction with the ionic reactive groups are dextran sulfates.

Claim 19 (Original): The process of claim 15, wherein the probe molecules are nucleotide derivatives selected from the group consisting of oligonucleotides, polynucleotides, and peptide nucleotic acids.

Claim 20 (Original): The process of claim 15, wherein the probe molecules are fixed on the detection device by electrostatic bonding and ionic reactive groups are fixed on the detection device by covalent bonding.

Claim 21 (Withdrawn): A device for detection of biochemically active molecules which is blocked by the process of claim 15.